

IN THE ABSTRACT:

The abstract as amended on the following page with a replacement abstract shows added text with underlining and deleted text with ~~strike-through~~.

Please REPLACE the original abstract with the amended abstract on the following page.

ABSTRACT

Abstract of the Disclosure

~~Disclosed is an automatic blood pressure measuring instrument and method designed to obtain a pulse wave signal and electrocardiogram (ECG) signals from a pressure sensor and an ECG monitor, to analyze correlation between both signals, to operate a maximum blood pressure and a minimum blood pressure based on the analyzed data, and to output the operated result to a display.~~ ~~The~~ An automatic blood pressure measuring instrument comprises for measuring and displaying a blood pressure of a subject in a non-invasive manner includes a pressure sensor for obtaining a pulse wave signal from a wrist of the subject, a pulse wave signal processing section for amplifying, filtering, and noise removing removing noise from the pulse wave applied from the pressure sensor, an electrocardiogram monitor electrodes for measuring a systolic blood pressure and a diastolic blood pressure and converting the measured results into electrical signals obtaining an electrocardiogram signal of the subject, an electrocardiogram signal processing section for amplifying, filtering, and noise removing removing noise from the converted electrocardiogram measurement signals applied from the electrocardiogram monitor signal, an A/D converting section for converting the AC signals, which are applied from both the pulse wave signal processing section and the electrocardiogram signal processing section, into DC digital signals, a controlling section for comparing and analyzing the digital pulse wave signal and the digital electrocardiogram signals applied through the A/D converting section signal to operate determine the blood pressure of the subject, and a display for displaying the blood pressure of the subject operated at determined by the controlling section.